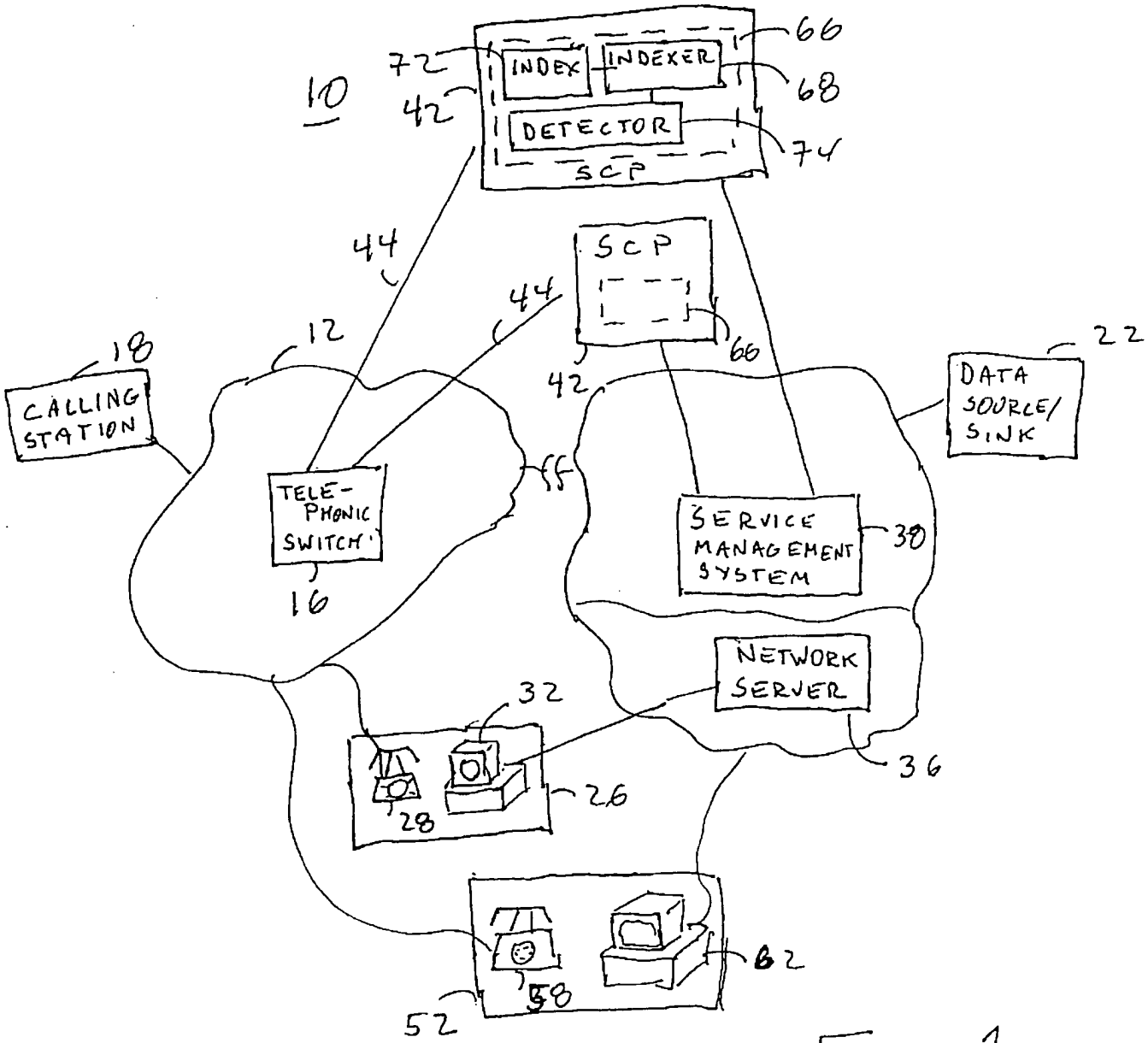
10
72
INDEX
INDEXER
66
68
42
DETECTOR
74
SCP
44
SCP
44
66
42
12
18
22
CALLING STATION
DATA SOURCE/ SINK
TELE-PHONIC SWITCH
16
SERVICE MANAGEMENT SYSTEM
30
NETWORK SERVER
32
28
26
36
58
62
52

FIG. 1

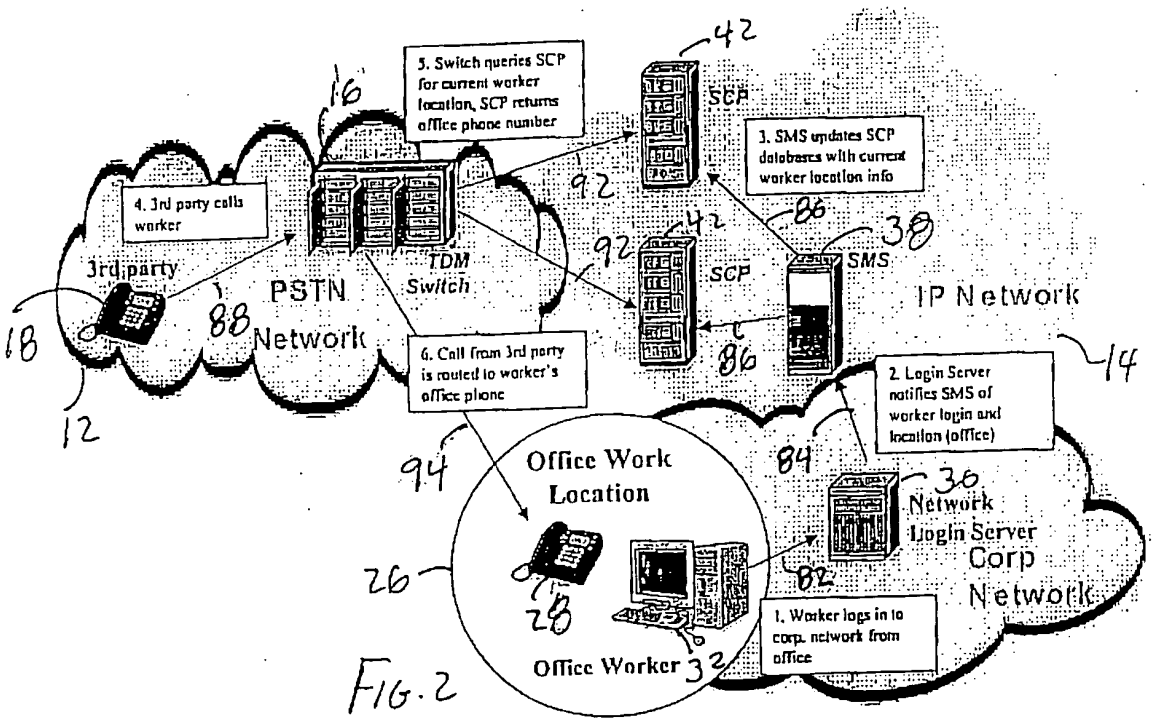
10
5. Switch queries SCP for current worker location, SCP returns office phone number
16
42
SCP
3. SMS updates SCP databases with current worker location info
4. 3rd party calls worker
3rd party
PSTN Network
TDM Switch
92
42
SCP
86
38
SMS
IP Network
18
88
6. Call from 3rd party is routed to worker's office phone
86
2. Login Server notifies SMS of worker login and location (office)
14
12
94
Office Work Location
84
36
Network Login Server
Corp Network
26
28
82
1. Worker logs in to corp. network from office
32
Office Worker

FIG. 2

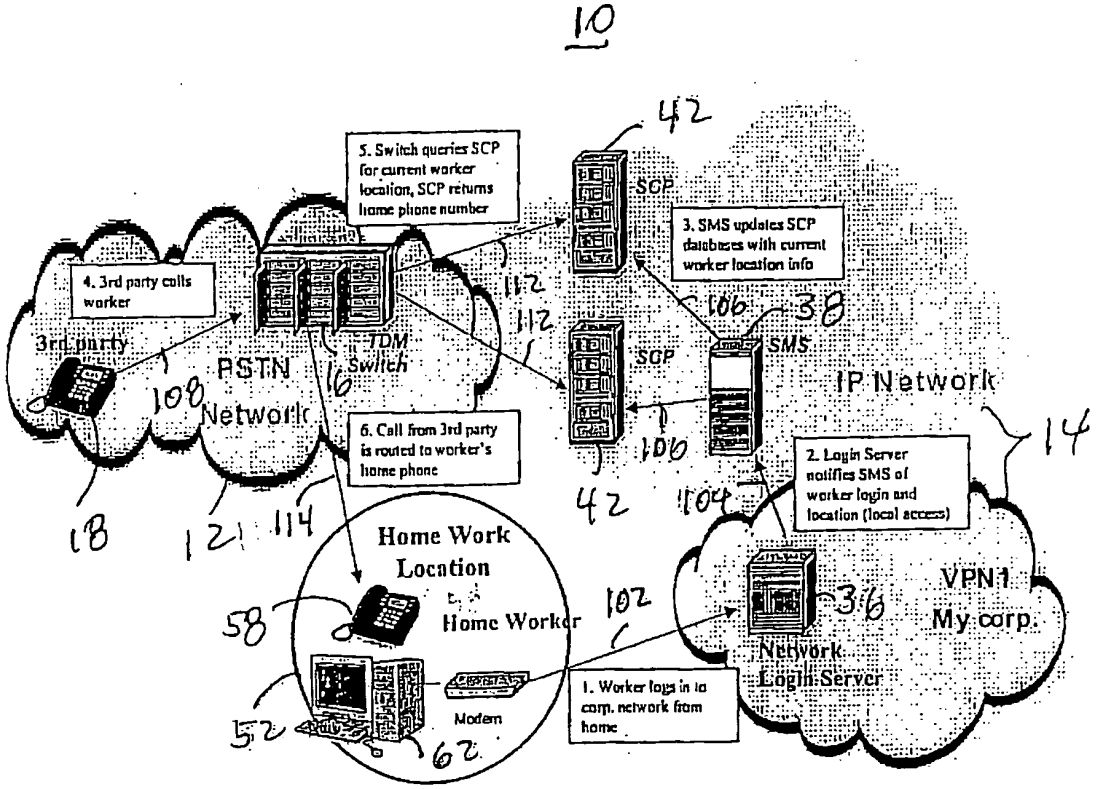
10
5. Switch queries SCP for current worker location, SCP returns home phone number
42
SCP
3. SMS updates SCP databases with current worker location info
4. 3rd party calls worker
3rd party
PSTN Network
TDM Switch
112
112
106
38
SMS
SCP
IP Network
108
16
6. Call from 3rd party is routed to worker's home phone
106
2. Login Server notifies SMS of worker login and location (local access)
14
18
121
114
42
104
Home Work Location
VPN1 My corp.
58
Home Worker
102
36
Network Login Server
1. Worker logs in to corp. network from home
52
Modem
62

FIG. 3

10

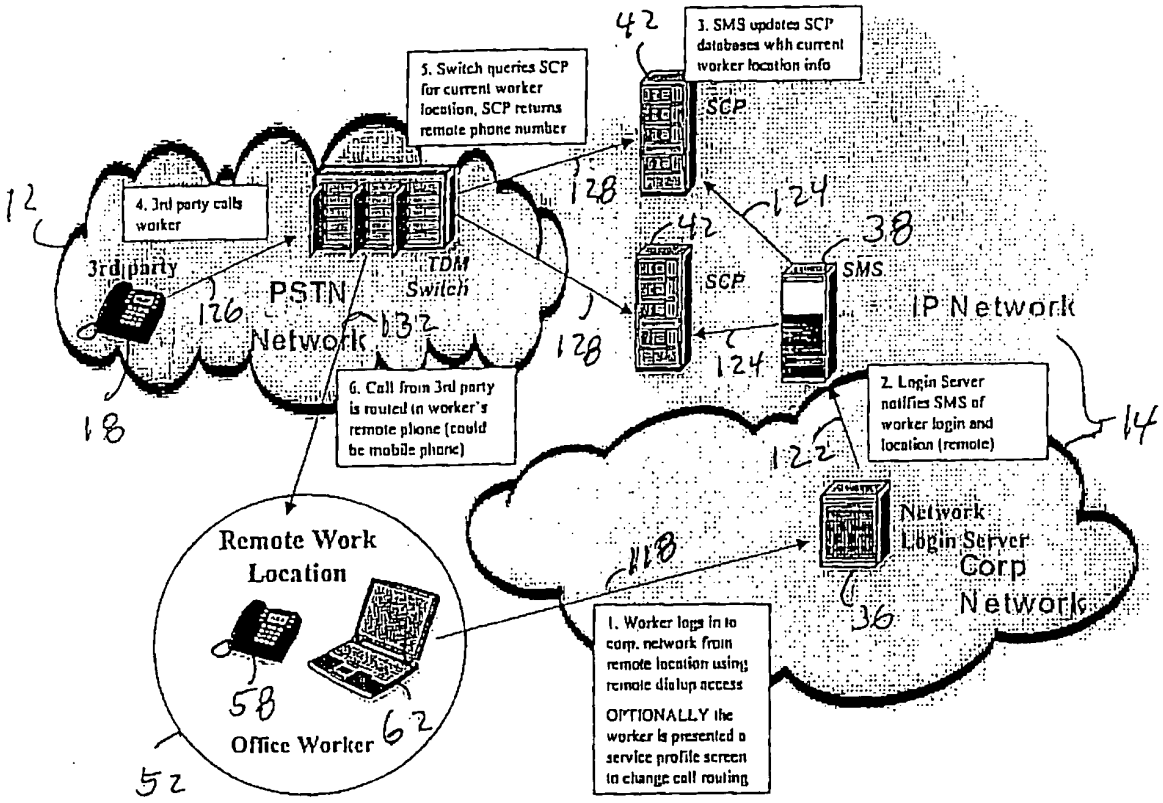
3. SMS updates SCP databases with current worker location info
5. Switch queries SCP for current worker location, SCP returns remote phone number
SCP
SCP
SMS
IP Network
4. 3rd party calls worker
3rd party
PSTN Network
TDM Switch
6. Call from 3rd party is routed to worker's remote phone (could be mobile phone)
2. Login Server notifies SMS of worker login and location (remote)
Network Login Server
Corp Network
Remote Work Location
Office Worker
1. Worker logs in to corp. network from remote location using remote dialup access
OPTIONALLY the worker is presented a service profile screen to change call routing
12
14
18
36
38
42
42
52
58
62
118
122
124
124
126
128
128
132

FIG. 4

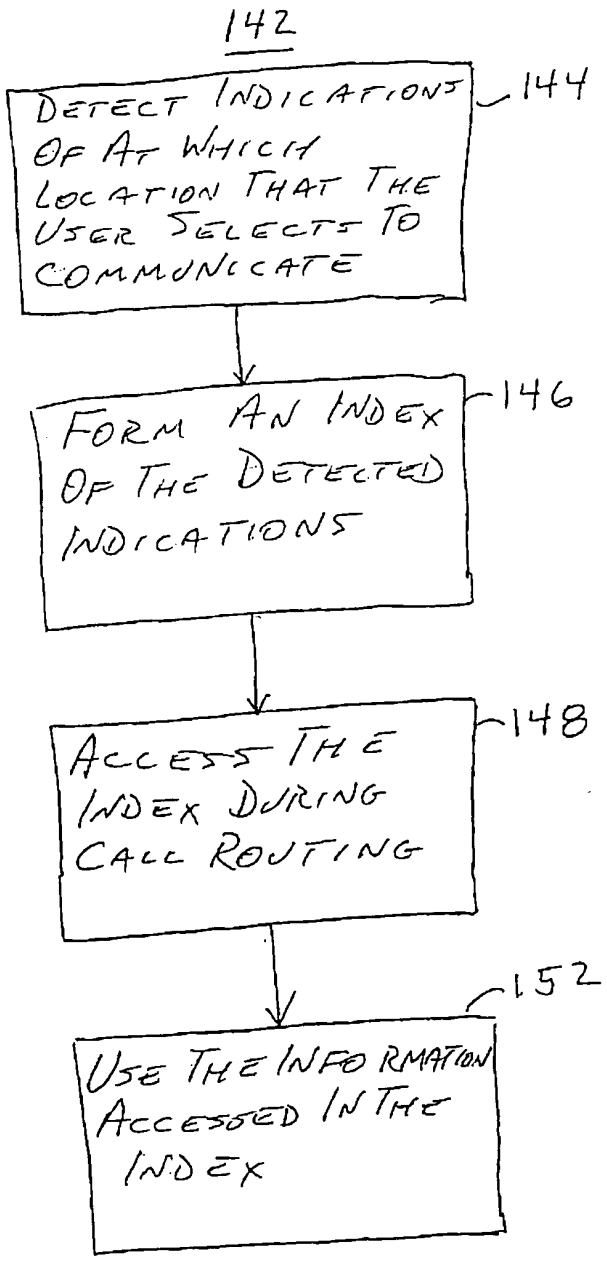
142
DETECT INDICATIONS OF AT WHICH LOCATION THAT THE USER SELECTS TO COMMUNICATE
144
FORM AN INDEX OF THE DETECTED INDICATIONS
146
ACCESS THE INDEX DURING CALL ROUTING
148
USE THE INFORMATION ACCESSED IN THE INDEX
152

FIG. 5